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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A game system in which two <u>virtual game spaces</u>, <u>which are each defined as a predetermined portion of a virtual space comprising a three-dimensional first game space and a two-dimensional second game space wherein the second game space corresponds to a predetermined two-dimensional plane within the first game space, and wherein the two virtual game spaces are separately displayed respectively on two displays which are a first display device and a second display device, the game system comprising:</u>

first display control programmed logic circuitry that causes an object, contained in a first game space represented by a three-dimensional coordinate system, to be displayed on the first display;

second display control programmed logic circuitry that causes an object, contained in a second game space represented by a two-dimensional coordinate system, to be displayed on the second display; and

coordinate converting programmed logic circuitry which performs a coordinate enversion computing process, in which three-dimensional coordinates indicating a current location of the corresponding to a location of an object in the first game space are mathematically projected on onto a two-dimensional plane within the first game space that corresponds corresponding to the second game space, so as to convert the coordinates in the first game space to coordinates in the second game space, thereby calculating so as to determine coordinates indicating that are indicative of a location of where a shadow of the object would

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occur on the two-dimensional plane when produced by a light positioned at a predetermined location within the first game space, wherein

the second display control programmed logic circuitry further displays an on the second display a related image, created so as to correspond which corresponds to the object which is present in the first game space and whose coordinates have been projected in the location indicated by the coordinates calculated by the coordinate conversion process, as a related image of the object which is located at the determined coordinates in the second game space.

2. (Previously presented) The game system according to claim 1, wherein the first display control programmed logic circuitry causes only the first game space to be displayed on the first display, and

the second display control programmed logic circuitry causes only the second game space to be displayed on the second display.

- 3. (Previously presented) The game system according to claim 1, wherein the object is a player character controllable by a player.
- 4. (Original) The game system according to claim 1, wherein the object is a moving object.
- 5. (Previously presented) The game system according to claim 1, further comprising: condition judging programmed logic circuitry configured to determine whether predetermined conditions are satisfied; and

character moving programmed logic circuitry configured to move a player character between the first game space and the second game space when said condition judging programmed logic circuitry determines that the predetermined conditions are satisfied;

character location determining programmed logic circuitry configured to determine in which one of said first game space and said second game the player character is located; and wherein

when the character location determining programmed logic circuitry determines that the player character is located in the first game space, the first display control programmed logic circuitry causes the player character to be displayed on the first display, and

when the character location determining programmed logic circuitry determines that the player character is located in the second game space, the second display control programmed logic circuitry causes the player character to be displayed on the second display.

- 6. (Previously presented) The game system according to claim 1, wherein the second display control programmed logic circuitry causes a related image representing a shadow of an object located in the first game space to be displayed on the second display.
- 7. (Previously presented) The game system according to claim 1, wherein the first display control programmed logic circuitry includes a first storage section for storing data used for displaying the first game space,

the second display control programmed logic circuitry includes a second storage section for storing data used for displaying the second game space,

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the first storage section stores object data for displaying an object located in the first game space but not located in the second game space,

the second storage section stores related image display data for displaying a related image representing a shadow of the object located in the first game space but not located in the second game space, and

based on the related image display data, the second display control programmed logic circuitry causes said related image representing a shadow to be displayed on the second display.

Claims 8-11 (Canceled)

12. (Previously presented) The game system according to claim 1, wherein the second display control programmed logic circuitry changes a size of the related image in accordance with a virtual relative positional relationship between the object located in the first game space and the second game space.

13. (Previously presented) The game system according to claim 1, further comprising: a first game machine for generating image data representing the first game space and outputting the image data to the first display; and

a second game machine for generating image data representing the second game space and outputting the image data to the second display.

14. (Previously presented) The game system according to claim 13, wherein

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the second game machine obtains a position in the first game space of the object located in the first game space from the first game machine and, based on the obtained position, causes the related image to be displayed on the second display.

15. (Previously presented) The game system according to claim 13, wherein the second game machine includes predicting programmed logic circuitry configured to predict a position in the first game space of the object located in the first game space and, based on the predicted position, causes the related image to be displayed on the second display.

16. (Previously presented) The game system according to claim 15, wherein the second game machine stores a motion pattern of the object located in the first game space, and

based on the motion pattern, the predicting programmed logic circuitry predicts a position in the first game space of the object.

17. (Previously presented) The game system according to claim 13, wherein the second game machine stores in advance a position of a fixed object fixedly located in the first game space and, based on the position, causes the related image of the fixed object to be displayed.

18. (Previously presented) The game system according to claim 13, wherein the second game machine is a portable game machine including the second display.

Claim 19 (Canceled)

20. (Currently amended) A method for use with a game system for separately displaying two <u>virtual game</u> spaces, which are each defined as a predetermined portion of a virtual space, respectively consisting of a three-dimensional game space and a two-dimensional game space wherein the two-dimensional game space corresponds to a predetermined plane within the three-dimensional game space, the game spaces being respectively displayed on a first display device and a second display device, comprising:

displaying an object contained in within a first game space represented by a threedimensional coordinate system, to be displayed on the first display;

displaying an object contained in within a second game space represented by a twodimensional coordinate-system, system on the second display; and

performing a coordinate eonversion process, computing process in which coordinates indicating a current corresponding to a location of the object in the first game space are mathematically projected on onto a plane corresponding within the first game space that corresponds to the second game space, so as to convert the determine coordinates in the first game space to coordinates in that are indicative of a location where a shadow of the object would occur on the two-dimensional plane corresponding to the second game space; and, thereby calculating coordinates indicating a location of a shadow of the object, wherein

displaying a related image of which corresponds to the object image is created so as to correspond to the object which is present in the first game space and whose coordinates have been projected in the location indicated by the coordinates calculated by the coordinate conversion process which is located at the determined coordinates in the second game space.

21. (Previously presented) The method according to claim 20, wherein only the first game space is displayed on the first display, and only the second game space is displayed on the second display.

- 22. (Previously presented) The method according to claim 20, wherein the object is a player character controllable by a player.
- 23. (Previously presented) The method according to claim 20, wherein the object is a moving object.
 - 24. (Previously presented) The method according to claim 20, further comprising: judging whether predetermined conditions are satisfied;

determining whether the player character is located in the first game space or the second game space;

moving, when the predetermined conditions are satisfied, a player character between the first game space and the second game space;

displaying, when the player character is located in the first game space, the player character on the first display; and

displaying, when the player character is located in the second game space, the player character on the second display.

25. (Previously presented) The method according to claim 20, further comprising:

displaying said related image of the object located in the first game space but not located in the second game space on the second display.

26. (Previously presented) The method according to claim 20, further comprising: storing data used for displaying the first game space in a first storage section, the first storage section storing object data for displaying an object located in the first game space but not located in the second game space;

storing data used for displaying the second game space in a second storage section, the second storage section storing related image display data for displaying said related image representing a shadow of the object located in the first game space but not located in the second game space; and

displaying, based on the related image display data, said related image of the object located in the first game space but not located in the second game space on the second display.

Claims 27-30 (Canceled)

- 31. (Previously presented) The method according to claim 20, further comprising: changing a size of the related image in accordance with a virtual relative positional relationship between the object located in the first game space and the second game space.
- 32. (Previously presented) The method according to claim 20, further comprising: providing a first game machine for generating image data representing the first game space and outputting the image data to the first display; and

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providing a second game machine for generating image data representing the second game space and outputting the image data to the second display.

33. (Previously presented) The method according to claim 32, further comprising: obtaining a position in the first game space of the object located in the first game space from the first game machine by the second game machine; and

displaying, based on the obtained position, the related image on the second display using the second game machine.

34. (Previously presented) The method according to claim 32, further comprising: predicting a position in the first game space of the object located in the first game space using the second game machine; and

displaying, based on the predicted position, the related image on the second display using the second game machine.

35. (Previously presented) The method according to claim 34, further comprising: storing a motion pattern of the object located in the first game space in a memory location of the second game machine, and

predicting, based on the motion pattern, a position in the first game space of the object.

36. (Previously presented) The method according to claim 32, further comprising: storing in advance a position of a fixed object fixedly located in the first game space in a memory location of the second game machine; and

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displaying, based on the position, the related image of the fixed object.

37. (Previously presented) The method according to claim 32, wherein the second game

machine is a portable game machine including the second display.

Claims 38-45 (Canceled)

46. (Currently amended) A video game system in which two game spaces, which are

each defined as a predetermined portion of a virtual space, having at least two display devices on

which a virtual three-dimensional first game space and a virtual two dimensional second game

space are separately displayed respectively on two displays which are a first display device and a

second display device, the game system comprising:

first display control programmed logic circuitry that causes an configured to display on

the first display a virtual game object, contained in a present within the first game space at a

location represented by a three-dimensional coordinate-system, to be displayed on the first

display; and

second display control programmed logic circuitry that causes an configured to display

on the second display a virtual game object, contained in a present within the second game space

at a location represented by a two-dimensional coordinate system, to be displayed on the second

display, wherein the two-dimensional game space corresponds to a predetermined plane within

the three-dimensional game space and the first display control programmed logic circuitry

<u>further</u> includes:

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programmed logic circuitry which provisionally places the object present in the second game space, in the first game space at a location on a plane corresponding to the second game space, the location corresponding configured to create a related object image at a location within the first game space that corresponds to a current location of the object present in the second game space; and

the first display device, from a perspective of a camera capturing the provisionally placed object from the plane's side and in accordance with a underside and which a light source illuminating the provisionally placed object from the plane's side, displays, on the first display underside, a shadow of the provisionally placed object which that is cast due to the light source upon an on another object located in the first game space.

47. (Previously presented) The game system according to claim 46, wherein the first display control programmed logic circuitry causes only the first game space to be displayed on the first display, and

the second display control programmed logic circuitry causes only the second game space to be displayed on the second display.

48. (Previously presented) The game system according to claim 46, further comprising: condition judging programmed logic circuitry to determine whether predetermined conditions are satisfied; and

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character moving programmed logic circuitry to move a player character between the first game space and the second game space when said condition judging programmed logic circuitry determines that the predetermined conditions are satisfied;

character location determining programmed logic circuitry to determine in which one of said first game space and said second game space the player character is located; and wherein

when the character location determining programmed logic circuitry determines that the player character is located in the first game space, the first display control programmed logic circuitry causes the player character to be displayed on the first display, and

when the character location determining programmed logic circuitry determines that the player character is located in the second game space, the second display control programmed logic circuitry causes the player character to be displayed on the second display.

49. (Currently amended) A <u>video</u> game system in which two game spaces, which are each defined as a predetermined portion of a virtual space, having at least two display devices on which a virtual three-dimensional first game space and a virtual two dimensional second game space are separately displayed respectively on two displays which are a first display device and a second display device, the game system comprising:

first display control programmed logic circuitry that causes an configured to display on the first display a virtual game object, contained in a present within the first game space at a location represented by a three-dimensional coordinate-system, to be displayed on the first display; and

second display control programmed logic circuitry that causes an configured to display on the second display a virtual game object, contained in a present within the second game space

at a location represented by a two-dimensional coordinate-system, to be displayed on the second display, wherein the two-dimensional game space corresponds to a predetermined plane within the three-dimensional game space and the first display control programmed logic circuitry further includes:

a projected shadow volume prepared in advance, whose shape corresponds to a shape of the two-dimensional object present in the second game space, in within the first game space at a location on a the plane corresponding to the second game space, the location corresponding that corresponds to a current location of the two-dimensional object in the second game space; and

programmed logic circuitry which, in accordance with configured to display on the first display device, from a perspective of a camera capturing positioned to capture the shadow volume from the plane's side and in accordance with the shadow volume, displays, on the first display a side of the plane, a shadow which is formed on the object in the first game space due to the projection of the shadow volume.

50. (Previously presented) The game system according to claim 49, wherein the first display control programmed logic circuitry causes only the first game space to be displayed on the first display, and

the second display control programmed logic circuitry causes only the second game space to be displayed on the second display.

51. (Previously presented) The game system according to claim 49, further comprising:

condition judging programmed logic circuitry to determine whether predetermined conditions are satisfied; and

character moving programmed logic circuitry to move a player character between the first game space and the second game space when said condition judging programmed logic circuitry determines that the predetermined conditions are satisfied;

character location determining programmed logic circuitry to determine in which one of said first game space and said second game space the player character is located; and wherein

when the character location determining programmed logic circuitry determines that the player character is located in the first game space, the first display control programmed logic circuitry causes the player character to be displayed on the first display, and

when the character location determining programmed logic circuitry determines that the player character is located in the second game space, the second display control programmed logic circuitry causes the player character to be displayed on the second display.

52. (Previously presented) A method for a game system in which two game spaces, which are each defined as a predetermined portion of a virtual space, are separately displayed respectively on a first display and a second display, comprising:

displaying a first object, contained in a first game space represented by a threedimensional coordinate system, on the first display; and

displaying a second object, contained in a second game space represented by a twodimensional coordinate system, on the second display;

provisionally placing the second object present in the second game space into the first game space at a location on a plane within the first game space that corresponds to a relative

position of the second game space with respect to the first game space, the location on the plane corresponding to a current location of the second object in the second game space; and

displaying on the first display, in accordance with a camera capturing the provisionally placed object from the plane's side and in accordance with a light illuminating the provisionally placed object from the plane's side, a shadow of the provisionally placed object which is cast on another object in the first game space.

53. (Previously presented) The method of claim 52, wherein only the first game space is displayed on the first display, and

only the second game space is displayed on the second display.

54. (Previously presented) The method of claim 52, further comprising:

determining whether predetermined game conditions are satisfied;

moving a player character between the first game space and the second game space when said predetermined game conditions are satisfied;

determining in which one of said first game space and said second game space the player character is located;

displaying the player character on the first display when the player character is determined to be located in the first game space; and

when the player character is determined to be located in the second game space, displaying the player character on the second display.

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55. (Previously presented) A method for a game system in which two game spaces, which are each defined as a predetermined portion of a virtual space, are separately displayed respectively on a first display and a second display, the game system comprising:

displaying a first object, contained in a first game space represented by a threedimensional coordinate system, on the first display;

displaying a second object, contained in a second game space represented by a twodimensional coordinate system, on the second display;

provisionally placing a shadow volume prepared in advance whose shape corresponds to a shape of the second object present in the second game space into the first game space at a location on a plane within the first game space that corresponds to a relative position of the second game space with respect to the first game space, the location on the plane corresponding to a current location of the second object in the second game space; and

displaying on the first display, in accordance with a camera capturing the shadow volume from the plane's side and in accordance with the shadow volume, a shadow which is formed on the object in the first game space due to the shadow volume.

56. (Previously presented) The method of claim 55, wherein only the first game space is displayed on the first display, and

only the second game space is displayed on the second display.

57. (Previously presented) The method according to claim 55, further comprising: determining whether predetermined game conditions are satisfied;

moving a player character between the first game space and the second game space when said predetermine game conditions are satisfied;

determining in which one of said first game space and said second game space the player character is located;

displaying the player character on the first display when the player character is determined to be located in the first game space; and

when the player character is determined to be located in the second game space, displaying the player character on the second display.